Aviation Technology, B.S., Aerospace Ops Concen.—Space Commercialization Emphasis
303-556-2983 Seventh Street 102

This sheet applies to the 2012-2013 catalog only. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared majors must work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

General Studies
Major courses 34
Minor courses 68
Total to graduate (min. 40 upper division hours) 120 min

Students who have reached junior standing (60 hrs) should request a CAPP (graduation compliance report) and review it with a faculty advisor.

*TO BE COMPLETED WITHIN FIRST 30-COLLEGE LEVEL CREDIT HOURS

**Written Communication**
___ ENG 1010 (3hrs) Freshman Comp: the Essay*
OR ___ ENG 1008/1009 (6 hrs.) Freshman Comp: The Essay Part I & II*
___ ENG 1020 (3hrs) Freshman Comp: Anal., Rsrch & Docum. (must be completed within 45-credit hours)

**Quantitative Literacy**
___ MTH 1110 (4 hrs) College Algebra
or ___ MTH 1112 (4 hrs) College Algebra Through Modeling
or ___ MTH 1310 (4 hrs) Finite Mathematics for the Mgmt and Social Sciences

**Oral Communication**
___ SPE 1010 (3 hrs) Public Speaking

**Arts & Humanities**
___ (3 hrs)
___ PHI 1030 (3 hrs) Introduction to Ethics

**Historical**
___ (3 hrs)

**Social & Behavioral Science I**
___ ECO 2010 (3 hrs) Principles of Macroeconomics

**Social & Behavioral Science II**
___ ECO 2020 (3 hrs) Principles of Microeconomics

**Natural & Physical Sciences**
___ PHY 1250 (6 hrs) Physics of Aviation

**Global Diversity**
___ (3 hrs) may be satisfied within General Studies

**Multicultural Requirement**
(may be satisfied within General Studies or minor)

**MAJOR COURSES** (grade of “C” or better required for all major upper-division classes). See faculty advisor
___ AES 1100 (6 hrs) Aviation Fundamentals
___ AES 1400 (3 hrs) Aviation Weather
___ AES 1710 (3 hrs) Single Engine Flight Simulation I
___ AES 2220 (3 hrs) Flight Dispatcher & Load Planning
___ AES 3000 (3 hrs) Aircraft Systems & Propulsion
___ AES 3850 (3 hrs) Human Factors & Physiology of Flight
___ AES 3880 (3 hrs) Aviation Security
___ AES 4370 (3 hrs) Advanced Navigation Systems
___ AES 4860 (3 hrs) Aviation Safety
or ___ AES 4870 (3 hrs) Aviation Safety Program Management
or ___ AES 4910 (3 hrs) Aviation Management Problems & Job Targeting
or ___ COM 2610 (3 hrs) Introduction to Technical Writing
or ___ MKT 2040 (3 hrs) Business Communications
or ___ AES 4930 (3 hrs) Professional Flight Standards Seminar
or ___ AES 4950 (3 hrs) Aviation and Aerospace Science Mgt. Strategies
or ___ COM 4790 (3 hrs) Senior Seminar in Tech. Communications
(Senior Experience)

**Space Commercialization Emphasis additional classes**
___ AES 3600 (3 hrs) Space Flight Operations I
___ AES 4601 (3 hrs) Space Flight Operations II
___ AES 4602 (3 hrs) Aerospace Commercialized Operations
___ AES 4603 (3 hrs) Aero. Operations Systems Analysis & Design
___ AES 4607 (3 hrs) Orbital Mechanics & Aero. Systems Simulations

Plus a minimum of 17 semester hours of approved AES electives
The following courses may be substituted for approved AES electives:
___ MTH 1210 (4 hrs) Introduction to Statistics
___ MTH 1320 (3 hrs) Calculus for the Management & Social Sciences
___ MGT 3000 (3 hrs) Organizational Management
___ MGT 4530 (3 hrs) Organizational Behavior
___ PSY 1001-3 Introductory Psychology

**MINOR** required (minimum 18-credit hours): non-AES except for Airframe and Powerplant Mechanics minor, which is 31-credit hours)